

IN THE CLAIMS

Claims 1 – 3 (cancelled)

Claim 4 (currently amended) An infrared reflective coated article comprising:

A) a substrate;

B) a dielectric layer defined as a first dielectric layer sputter deposited over the substrate, the first dielectric layer-(B), comprising:

i) first dielectric film comprising at least one film of:

zinc oxide film,

silicon oxide film,

tin oxide film,

silicon nitride film,

silicon oxynitrate film, or

film of an oxide of an alloy of zinc and tin having zinc in a weight percent range of equal to or greater than 10 and equal to or less than 90, and tin in the weight percent range of equal to or less than 90 and equal to or greater than 10, defined as alloy oxide

film- of the first dielectric film of the first dielectric layer and the

film of the oxide of an alloy of zinc and tin of the first dielectric

film is defined as a first film of the oxide of an alloy of zinc and

tin, and


ii) a second dielectric film deposited over the first dielectric film, the second dielectric film comprising at least one film of:

zinc oxide, tin oxide film wherein the zinc oxide, tin oxide film has tin in the weight percent range of greater than 0 and less than 10 and the majority of the balance zinc, or

film of an oxide of an alloy of zinc and tin having zinc in the weight percent range of equal to or greater than 10 and equal to or less than 90 and tin in the weight percent range of equal to or less than 90 and equal to or greater than 10 defined as alloy

oxide film of the second dielectric film of the first dielectric layer,

and wherein when the first and second dielectric films of the first dielectric layer (B) has a each have an alloy oxide film first

 ~~dielectric film (i) of an oxide of an alloy of zinc and tin and this second dielectric film (ii) is of an oxide of an alloy of zinc and tin as the second such film, the composition of the alloy oxide film of the first dielectric such film of the first dielectric layer is at least about 5 weight percent different in the amounts of zinc and tin than the composition of the alloy oxide film of the second such dielectric film of the first dielectric layer, and~~

C. an infrared reflective layer deposited on the first dielectric layer.

Claim 5 (previously amended) The coated article of claim 4 wherein the infrared reflective metal is silver and the second dielectric film is the zinc oxide, tin oxide film as an electrical enhancing film.

Claim 6 (Currently amended) The coated article of claim 4 wherein the first dielectric film is the alloy oxide first film of the first dielectric film of the first dielectric layer ~~an oxide of an alloy of zinc and tin~~, the infrared reflective layer is a silver film and the second dielectric film of the dielectric layer is the alloy oxide second film of the second dielectric film of the first dielectric layer ~~an oxide of an alloy of zinc and tin~~ as an electrical enhancing film.

Claim 7 (previously amended) The coated article of claim 4 wherein the infrared reflective layer is a first infrared reflective layer and further including:

a metal primer layer over the first infrared reflective layer;
a second dielectric layer over the primer layer, and
optionally a protective overcoat over the second dielectric layer.

Claim 8 (previously amended) The coated article of claim 7 wherein the second dielectric layer is a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin.

Claim 9 (previously amended) The coated article of claim 4 wherein the infrared reflective layer is a first infrared reflective layer and further including:

a first metal primer layer over the first infrared reflective metal layer;

a second dielectric layer over the first primer layer;

a second infrared reflective layer over the second dielectric layer;

a second metal primer layer over the second infrared reflective layer;

a third dielectric layer over the second metal primer layer, and optionally a protective film over the third dielectric layer.

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Claim 10 (previously amended) The coated article of claim 9 wherein at least one of the second and third dielectric layers includes a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin.

Claim 11 (currently amended) The coated article of claim 4 wherein the infrared reflective layer is a first infrared reflective layer and further including:

a first metal primer layer over the first reflective layer;

a second dielectric layer over the first metal primer layer, the second dielectric layer comprising a first dielectric film and a second dielectric film over the first dielectric film of the second dielectric layer, the second dielectric film of the second dielectric layer comprising a film of an oxide of an alloy of zinc and tin defined as a first film of an oxide of an alloy of zinc and tin, the first film of an oxide of an alloy of zinc and tin having zinc in the weight percent range of equal to or greater than 10 and equal to or less than 90 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 90 defined as alloy oxide film of the second dielectric film of the second dielectric layer, the first dielectric film of the second dielectric layer deposited over the first metal primer layer;

a second infrared reflective layer deposited over the second dielectric layer;

a second metal primer layer deposited over the second infrared reflective layer;

a third dielectric layer deposited over the second primer layer,
and
optionally a protective layer over the third dielectric layer.

Claim 12 (currently amended) The coated article of claim 40 wherein the first dielectric film of the second dielectric layer is a zinc oxide film; or a zinc oxide, tin oxide film; or a film of an oxide of an alloy of zinc and tin ~~the latter which is defined as a second alloy oxide film of the first dielectric film of the second dielectric layer, of an oxide of an alloy of zinc and tin for the second dielectric layer and this second the alloy oxide film of first dielectric film of the second dielectric layer an oxide of an alloy of zinc and tin of the second dielectric layer has~~ has a composition in amounts of zinc and tin different than the composition of the ~~first alloy oxide film of an oxide of an alloy of zinc and tin of the second dielectric film of the second dielectric layer.~~


Claim 13 (Currently amended) The coated article of claim 12 wherein the ~~second alloy oxide film of an oxide of an alloy of zinc and tin of the first dielectric film of the second dielectric layer~~ has zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent of equal to or greater than 10 and equal to or less than 40, and the third dielectric layer is a film of an oxide of an alloy of zinc and tin.

Claim 14 (Currently amended) The coated article of claim 4 wherein the infrared reflective layer is a first infrared reflective layer and further including:

- a first metal primer layer over the first reflective layer;
- a second dielectric layer over the first metal primer film;
- a second infrared reflective layer over the second dielectric layer;
- a second metal primer layer over the second infrared reflecting metal layer;
- a third dielectric layer ~~over the second metal primer layer, the third dielectric layer~~ comprising a first dielectric film and second dielectric film, the second dielectric film of the third dielectric layer comprising a film of an

oxide of an alloy of zinc and tin ~~defined as a first film of an oxide of an alloy of zinc and tin, the first film of an oxide of an alloy of zinc and tin having zinc in a weight percent with the range of equal to and greater than 10 and equal to or less than 90 and tin within the weight percent range of equal to or less than 90 and equal to or greater than 10~~ defined as alloy oxide film of the second dielectric film of the third dielectric layer, the third dielectric layer deposited over the second metal primer; and

optionally a protective film overlying the third dielectric film.

 Claim 15 (currently amended) The coated article of claim 14 wherein the first dielectric film of the third dielectric layer is a zinc oxide film or a zinc oxide, tin oxide film or a film of an oxide of an alloy of zinc and tin, ~~which for the latter is defined as a second alloy oxide film of the first dielectric film of the third dielectric layer an oxide of an alloy of zinc and tin, wherein the alloy oxide films of the first and second dielectric films of the third dielectric layer have the second film of an oxide of an alloy of zinc and tin of the first dielectric film of the third dielectric layer has a composition different compositions in the amount of zinc and tin than the composition of the first film of an oxide of an alloy of zinc and tin of the third dielectric layer.~~

Claim 16 (Currently Amended) The coated article of claim 15 wherein the alloy oxide second film of the first dielectric film of the third dielectric layer ~~an oxide of an alloy of zinc and tin of the third dielectric layer~~ has zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claim 17 (currently amended) The coated article of claim 4 wherein the infrared reflective layer is a first infrared reflective layer and further including:
a first metal primer layer over the first reflective layer;
a second dielectric layer over the first metal primer layer, the second dielectric layer comprising a first dielectric film and a second dielectric film comprising ~~of an oxide of an alloy of zinc and tin defined as a first film of~~

~~an oxide of an alloy of zinc and tin, the first film of an oxide of an alloy of zinc and tin having zinc in a weight percent within the range of equal to or greater than 10 and equal to or less than 90 and tin within the weight percent range of equal to or less than 90 and equal to or greater than 10~~ defined as alloy oxide of the second dielectric film of the second dielectric layer, the second dielectric layer deposited over the first metal primer layer;

a second infrared reflective layer over the first alloy oxide film of an oxide of an alloy of zinc and tin of the second dielectric film of the second dielectric layer;

a second metal primer layer over the second infrared reflective layer;

a third dielectric layer over the second metal primer layer, the third dielectric layer comprising a first dielectric film and a second dielectric film comprising of an oxide of an alloy of zinc and tin defined as a first film of an oxide of an alloy of zinc and tin, the first film of an oxide of an alloy of zinc and tin having zinc in a weight percent within the range of equal to or greater than 10 and equal to or less than 90 and tin within the weight percent range of equal to or less than 90 and equal to or greater than 10 defined as alloy oxide film of the second dielectric film of the third dielectric layer, the third dielectric layer deposited over the second metal primer layer; and

optionally a protective film overlying the first film of an oxide of an alloy of zinc and tin of the dielectric layer.

Claim 18 (currently amended) The coated article of claim 17 wherein the first dielectric film of the second dielectric layer and the first dielectric film of the third dielectric layer each is a film which is a zinc oxide film; or zinc oxide, tin oxide film; or ~~a second film of an oxide of an alloy of zinc and tin~~ defined as alloy oxide film; wherein the alloy oxide film of the first dielectric film of the second dielectric layer is define^d as the alloy oxide film of the first dielectric film of the second dielectric layer, and the alloy oxide film of the first dielectric film of the third dielectric layer is define as the alloy oxide film of the first dielectric film of the third dielectric layer wherein the alloy oxide films of the first and second dielectric films of the second dielectric layer have different

compositions, and the alloy oxide films of the first and second dielectric films of the third dielectric layer have different compositions for the latter the second film of an oxide of an alloy of zinc and tin of the first dielectric film of the first dielectric layer and the second film of an oxide of an alloy of zinc and tin of the first dielectric film of the third dielectric layer has a composition different in the amount of zinc and tin than the composition of the first film of an oxide of an alloy of zinc and tin in the respective same second or third dielectric layer.

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Claim 19 (currently amended) The coated article of claim 18 wherein the alloy oxide film of the first dielectric film⁵ ~~second film of an oxide of an alloy of zinc and tin~~ of the second and third dielectric layers each include zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent of equal to or greater than 10 and equal to or less than 40.

Claim 20 (currently amended) The coated article of claim 17 wherein the second dielectric layer further includes a third dielectric film over the first alloy oxide film of an oxide of an alloy of zinc and tin of the second dielectric film of the second dielectric layer.

Claim 21 (currently amended) The coated article of claim 18 wherein the second dielectric layer further includes a third dielectric film over the second alloy oxide film of the second dielectric film of the second dielectric layer an oxide of an alloy of zinc and tin of the second dielectric layer wherein the third dielectric film of the second dielectric layer is a film selected from the group consisting of zinc oxide film; zinc oxide, tin oxide film; and a film of an oxide of an alloy of zinc and tin defined as a third alloy oxide film of the third dielectric film of the second dielectric layer an oxide of an alloy of zinc and tin, the alloy oxide film of the third dielectric film of the third dielectric layer an oxide of an alloy of zinc and tin has a composition different in zinc and tin than the composition of the alloy oxide film of an oxide of an alloy of zinc and tin of the second dielectric film of the third dielectric layer closest to the alloy oxide film

~~of the third dielectric film of the third dielectric layer this third film of an oxide of an alloy of zinc and tin.~~

Claim 22 (currently amended) The coated article of claim 18 wherein the second dielectric film of the second dielectric layer and the second dielectric film of the third dielectric layer each has a film which is a zinc oxide film; or a zinc oxide, tin oxide film; or a film of an oxide of an alloy of zinc and tin defined as alloy oxide film wherein the alloy oxide film of the second dielectric film of the second dielectric layer is define as the alloy oxide film of the second dielectric film of the second dielectric layer, and the alloy oxide film of the second dielectric film of the third dielectric layer is define as the alloy oxide film of the second dielectric film of the third dielectric layer as a second film of an oxide of an alloy of zinc and tin, wherein the alloy oxide films of the first and second dielectric films of the second dielectric layer have different compositions in the amount of zinc and tin the first and second film of an oxide of an alloy of zinc and tin in the same and the alloy oxide films of the first and second dielectric films of the third dielectric layer have different compositions in the amount of zinc and tin.

Claim 23 (currently amended) The coated article of claim 43 wherein the alloy oxide film of the first and third dielectric films of the second dielectric layer and the first dielectric film of the third dielectric layer each include zinc in the weight percent range of equal to or greater than 60 and equal to and less than 90 and tin in the weight percent of equal to and greater than 10 and equal to or less than 40.

Claim 24 (currently amended) The coated article of claim 20 wherein the substrate is a glass piece and the first dielectric film of the first dielectric layer is the alloy oxide film of the first dielectric film of the first dielectric layer first film of an oxide of an alloy of zinc and tin, the second film of an oxide of an alloy of zinc and tin of the first dielectric layer and the alloy oxide film of the first dielectric film of the first dielectric layer is on the glass piece and has a thickness in the range of 230 ± 40 Angstroms Å; the alloy metal oxide of the

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~~second dielectric film first film of an oxide of an alloy of zinc and tin of the first dielectric layer is on the alloy oxide second film of the first dielectric film of the first dielectric layer an oxide of an alloy of zinc and tin of the first dielectric layer~~ and has a thickness in the range of $80 \pm 40\text{\AA}$; the first infrared reflective metal layer is a first silver film deposited on the ~~first alloy oxide film of the second dielectric film of the first dielectric layer an oxide of an alloy of zinc and tin of the first dielectric layer~~ and has a thickness in the range of $110 \pm 30\text{\AA}$; the metal primer layer is a titanium film deposited on the first silver layer and has a thickness in the range of $17\text{-}26\text{\AA}$; the first dielectric film of the second dielectric layer is deposited on the titanium film and has a thickness in the range of $80 \pm 40\text{\AA}$; the ~~first alloy oxide film of the second dielectric film of the second dielectric layer an oxide of an alloy of zinc and tin of the second dielectric layer~~ is deposited on the first dielectric film of the second dielectric layer and has a thickness in the range of $740 \pm 40\text{\AA}$; the second infrared reflective metal layer is a second silver film deposited on the second dielectric film of the second dielectric layer and has a thickness in the range of $110 \pm 38\text{\AA}$; the second primer film is a titanium film deposited on the second silver layer and having a thickness in the range of $18\text{-}31\text{\AA}$; the first dielectric film of the third dielectric layer is deposited on the second titanium film and has a thickness in the range of $80 \pm 40\text{\AA}$; the ~~alloy oxide film of the second dielectric film first zinc stannate layer~~ of the third dielectric layer is deposited on the first dielectric film of the third dielectric layer and has a thickness in the range of $120 \pm 40\text{\AA}$, and the protective layer is a titanium metal film deposited on the first zinc stannate layer of the third dielectric layer and has a thickness in the range of $29 \pm 3\text{\AA}$.

Claim 25 (currently amended) A coated article comprising:

- (A) a substrate;
- (B) a first dielectric layer over the substrate;
- (C) a first infrared reflective layer over the first dielectric layer;
- (D) a first metal primer layer over the first infrared reflective layer;

(E) a second dielectric layer over the first metal primer, the second dielectric layer having:

- (i) a first dielectric film comprising at least one film which is:
zinc oxide, tin oxide film wherein this film has zinc in the weight percent range of equal to or greater than 90 and less than 100 and the majority of the balance tin; or
a first film of an oxide of an alloy of zinc and tin defined as alloy oxide film of the first dielectric film of the second dielectric layer, and
ii) a second dielectric film, where the second dielectric film has a composition different than the first dielectric film of the second dielectric layer and optionally includes an oxide of an alloy of zinc and tin defined as alloy oxide film of the second dielectric film of the second dielectric layer, wherein the alloy oxide film of the first dielectric film of the second dielectric layer is only present in the second dielectric layer when the alloy oxide film of the second dielectric film of the second dielectric layer is present in the second dielectric layer, and the alloy oxide film of the second dielectric film of the second dielectric layer is only present in the second dielectric layer when at least the alloy oxide film of the first dielectric film of the second dielectric layer or the zinc oxide, tin oxide film of the first dielectric film of the second dielectric layer is present in the second dielectric layer;

(F) a second infrared reflective layer over the second dielectric layer;

(G) a second primer layer over the second reflective layer;

(H) a third dielectric layer over the second metal primer layer;

and

(I) optionally a protective layer overlying the third dielectric layer.

Claim 26 (currently amended) The coated article of claim 25 wherein the first dielectric layer includes a film of an oxide of an alloy of zinc and tin defined as

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~~alloy oxide film of the first dielectric layer; the second dielectric film of the second dielectric layer is a film of an oxide of an alloy of zinc and tin and the third dielectric layer includes a film of an oxide of an alloy of zinc and tin defined as alloy oxide of the third dielectric layer, each of the alloy oxide films of an oxide of an alloy of zinc and tins having zinc in the weight percent range of 10-90 and tin in the weight percent range of 90-10.~~

Claim 27 (currently amended) The coated article of claim 26 wherein the ~~first dielectric alloy oxide film of the first dielectric film of the second dielectric layer is the first film of an oxide of an alloy of zinc and tin having~~ has zinc in the weight percent range of equal to or less than 90 and greater than 60 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claim 28 (currently amended) A coated article comprising:

- (A) a substrate;
- (B) a first dielectric layer over the substrate;
- (C) a first infrared reflective layer over the first dielectric layer;
- (D) a first metal primer layer over the first infrared reflective layer;
- (E) a second dielectric layer over the first metal primer layer;
- (F) a second infrared reflective layer over the second dielectric layer;
- (G) a second metal primer layer over the second reflective metal layer;
- (H) a third dielectric layer having:
 - 1) first dielectric film which is: (i) ~~zinc oxide film~~; (ii) zinc oxide, tin oxide film, wherein the zinc oxide, tin oxide film has either tin in the weight percent range of greater than 0 and less than 10 and the majority of the balance zinc or zinc in the weight percent range of equal to or greater than 90 and less than 100 and the majority of the balance tin; or (ii) ~~(iii) a first film of an oxide of an~~

alloy of zinc and tin defined as alloy oxide film of the first dielectric film of the third dielectric layer;

(2) optionally a second dielectric film overlying the first dielectric film, the second dielectric film having a composition different from the first dielectric film; and

(1) optionally a protective film overlying the third dielectric layer.

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Claim 29 (currently amended) The coated article of claim 28 wherein the first and second dielectric layers are each a film of an oxide of an alloy of zinc and tin defined as alloy oxide film of the first dielectric layer and alloy oxide film of the second dielectric layer, respectively, and the second dielectric film of the third dielectric layer is a film of an oxide of an alloy of zinc and tin defined as alloy oxide film of the second dielectric film of the third dielectric layer and each of the alloy films of the first and second dielectric layers and of the second dielectric film of the third dielectric layer ~~of an oxide of an alloy of zinc and tin~~ has zinc in the weight percent range of 10-90 and tin in the weight percent range of 90-10.

Claim 30 (currently amended) The coated article of claim 29 wherein the alloy oxide film of the first dielectric film of the third ~~second~~-dielectric layer has zinc in the weight percent range of equal to or less than 90 and greater than 60 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claim 31 (currently amended) A coated article comprising:

- (A) a substrate;
- (B) a first dielectric layer over the substrate;
- (C) a first infrared reflective layer over the first dielectric layer;
- (D) a first primer layer over the first reflective metal layer;
- (E) a second dielectric layer having:
 - (1) first dielectric film comprising at least one film of:
 - (i) zinc oxide, tin oxide film, or

(ii) ~~first film of~~ an oxide of an alloy of zinc and tin defined as alloy oxide of the first dielectric film of the second dielectric layer, and

(2) second dielectric film overlying the first dielectric film having a composition different than the first dielectric film of the second dielectric layer;

(F) a second infrared reflective layer over the second dielectric layer;

(G) a second primer layer over the second reflective layer;

(H) a third dielectric layer over the second metal primer layer, the third dielectric layer having:

(1) first dielectric film comprising at least one film of: a zinc oxide, tin oxide film; or a first film of an oxide of an alloy of zinc and tin defined as alloy oxide film of the first dielectric film of the third dielectric layer; and


(2) a second dielectric film, having a composition different than the composition of the first dielectric film of the third dielectric layer and optionally includes an oxide of an alloy of zinc and tin defined as alloy oxide film of the second dielectric film of the third dielectric layer, wherein the alloy oxide film of the first dielectric film of the third dielectric layer is only present in the third dielectric layer when the alloy oxide film of the second dielectric film of the third dielectric layer is present in the third dielectric layer, and the alloy oxide film of the second dielectric film of the third dielectric layer is only present in the third dielectric layer when at least one of the alloy oxide film of the first dielectric film of the third dielectric layer or the zinc oxide, tin oxide film of the first dielectric film of the third dielectric layer is present in the third dielectric layer;

wherein the zinc oxide, tin oxide film of the first dielectric film of the second dielectric layer and of the first dielectric film of the third dielectric layer have tin in the weight percent range of greater than 0 and less than 10 and the majority of the balance zinc, zinc in the weight

percent range of less than 100 and equal to or greater than 90 and the majority of the balance tin and mixtures thereof; and

(I) optionally a protective film overlying the third dielectric layer.

Claim 32 (currently amended) The coated article of claim 31 wherein the alloy oxide film of the first dielectric layer film of the second dielectric layer, the second dielectric film of the second and third dielectric layers are each a film of an oxide of an alloy of zinc and tin having comprises zinc in the weight percent range of 10-90 and tin in the weight percent range of 90-10.

 Claim 33 (currently amended) The coated article of claim 32 wherein the alloy oxide film of the first dielectric film of the second and third dielectric layers are each a film of an oxide of an alloy of zinc and tin having have zinc in the weight percent range of equal to or less than 90 and greater than 60 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claim 34 (original) The coated article of claim 32 wherein the coated article is a transparency.

Claim 35 (original) The coated article of claim 34 wherein the coated article is an automotive transparency.

Claim 36 (original) The coated article of claim 35 wherein the automobile transparency is an automotive windshield having a pair of glass sheets laminated together and one of the sheets is fabricated from the substrate having the coating.

Claim 37 (withdrawn)

Claim 38 (currently amended) The coated article of claim 5 wherein the first dielectric film of the first dielectric layer is the first alloy oxide film of the first dielectric film of the first dielectric layer an oxide of an alloy of zinc and tin.

Claim 39 (currently amended) The coated article of claim 8 wherein the first dielectric film of the first dielectric layer is the first alloy oxide film of the first dielectric film of the first dielectric layer~~an oxide of an alloy of zinc and tin.~~

Claim 40 (currently amended) The coated article of claim 11 wherein the first dielectric film of the first dielectric layer is the alloy oxide film of the first dielectric film of the first dielectric layer~~of an oxide of an alloy of zinc and tin.~~

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Claim 41 (currently amended) The coated article of claim 15 wherein the first dielectric film of the first dielectric layer is the first alloy oxide film of the first dielectric film of the first dielectric layer~~an oxide of an alloy of zinc and tin.~~

Claim 42 (currently amended) The coated article of claim 17 wherein the first dielectric film of the first dielectric layer is the first alloy oxide film of the first dielectric film of the first dielectric layer~~an oxide of an alloy of zinc and tin.~~

Claim 43 (currently amended) The coated article of claim 22 wherein the first dielectric film of the first dielectric layer is the first alloy oxide film of the first dielectric film of the first dielectric layer~~an oxide of an alloy of zinc and tin.~~


Claim 44 (previously added) The coated article of claim 4 wherein the second dielectric film is an electrical enhancing film.

Claim 45 (currently amended) The coated article of claim 4 wherein the composition of the second alloy oxide film of the second dielectric film of the first dielectric layer ~~comprises an oxide of an alloy of zinc and tin~~ is zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.

Claim 46 (currently amended) The coated article of claim 7 wherein the composition of the alloy oxide film of the second dielectric film of the first

dielectric layer has an oxide of an alloy of zinc and tin is zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.

Claim 47 (currently amended) The coated article of claim 9 wherein the composition of the alloy oxide film of the second dielectric film of the first dielectric layer has an oxide of an alloy of zinc and tin is zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.




Claim 48 (currently amended) The coated article of claim 25 wherein the composition of the second dielectric alloy oxide film of the second dielectric film of the second dielectric layer is a film of an oxide of an alloy of zinc and tin is comprises zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.

Claim 49 (currently amended) The coated article of claim 28 wherein the composition of the second alloy oxide film of the first dielectric film of the third dielectric layer an oxide of an alloy of zinc and tin is comprises zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.

Claim 50 (currently amended) The coated article of claim 31 wherein the composition of the second dielectric film of the second dielectric layer is an oxide of an alloy of zinc and tin having is zinc in the range of 60 to 90 weight percent and tin in the range of 10 to 40 weight percent.

Claim 51 (new) The coated article of claim 4 wherein the alloy oxide film of the second dielectric film of the first dielectric layer is only present in the first dielectric layer when the alloy oxide film of the first dielectric film of the first dielectric layer is present in the first dielectric layer, and the alloy oxide film of the first dielectric film of the first dielectric layer is only present when the at least one of the alloy oxide film of the second dielectric film of the first dielectric layer or the zinc oxide, tin oxide film are present in the second dielectric film of the first dielectric layer.




Claim 52 (new) The coated article of claim 28 wherein the optional second dielectric film of the third dielectric layer includes an oxide of an alloy of zinc, and tin defined as alloy oxide film of the second dielectric film of the third dielectric layer, wherein the alloy oxide film of the first dielectric film of the third dielectric layer is only present in the second dielectric layer when the alloy oxide film of the second dielectric film of the third dielectric layer is present in the second dielectric layer, and the alloy oxide film of the second dielectric film of the third dielectric layer is only present in the third dielectric layer when at least one of the alloy oxide film of the first dielectric film of the third dielectric layer or the zinc oxide, tin oxide film is present in the first dielectric film of the third dielectric layer.

Claim 53 (new) The coated article of claim 52 wherein the second dielectric layer comprises:

- (i) a first dielectric film comprising at least one film which is:
 - zinc oxide, tin oxide film wherein this film has zinc in the weight percent range of equal to or greater than 90 and less than 100 and the majority of the balance tin; or
 - an oxide of an alloy of zinc and tin defined as alloy oxide film of the first dielectric film of the second dielectric layer, and
- ii) a second dielectric film, where the second dielectric film has a composition different than the first dielectric film of the second dielectric layer and optionally includes an oxide of an alloy of zinc and tin defined as alloy oxide film of the second dielectric film of the second dielectric layer, wherein the alloy oxide film of the first dielectric film of the second dielectric layer is only present in the first dielectric layer when the alloy oxide film of the second dielectric film of the second dielectric layer is present in the second dielectric layer, and the alloy oxide film of the second dielectric film of the second dielectric layer is only present when at least one of the alloy oxide film of the first dielectric film of the second dielectric layer or the zinc oxide, tin

oxide film of the first dielectric film of the second dielectric layer is present in the first dielectric film of the second dielectric layer.



Claim 54 (new) The coated article of claim 31 wherein the second dielectric film of the second dielectric layer optionally includes an oxide of an alloy of zinc and tin defined as alloy oxide film of the second dielectric film of the second dielectric layer, wherein the alloy oxide film of the first dielectric film of the second dielectric layer is only present in the first dielectric film of the second dielectric layer when the alloy oxide film of the second dielectric film of the second dielectric layer is present in the second dielectric layer, and the alloy oxide film of the second dielectric film of the second dielectric layer is only present when at least one of the alloy oxide film of the first dielectric film of the second dielectric layer or the zinc oxide, tin oxide film of the first dielectric film of the second dielectric layer is present in the second dielectric layer.

Claim 55 (new) The coated article of claim 4 wherein the second dielectric film of the first dielectric layer includes at least the zinc oxide, tin oxide film.

Claim 56 (new) The coated article of claim 25 wherein the first dielectric film of the second dielectric layer includes at least the zinc oxide, tin oxide film.

Claim 57 (new) The coated article of claim 28 wherein the first dielectric film of the third dielectric layer includes at least the zinc oxide, tin oxide film.

Claim 58 (new) The coated article of claim 31 wherein the first dielectric film of the third dielectric layer includes at least the zinc oxide, tin oxide film.
